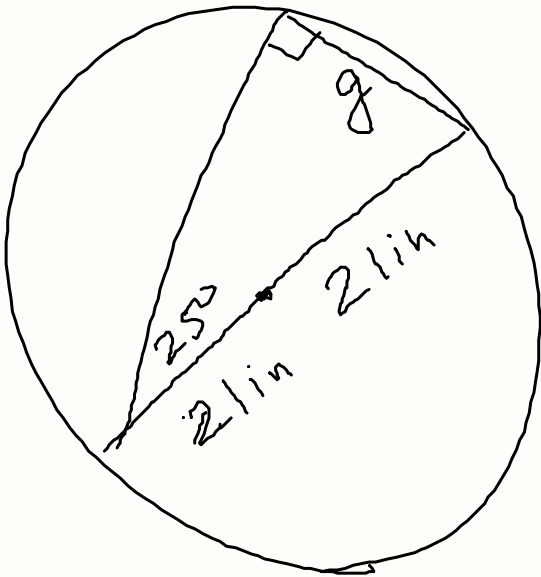
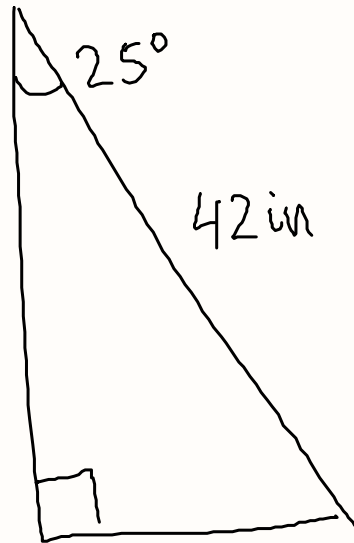


p. 625 #20

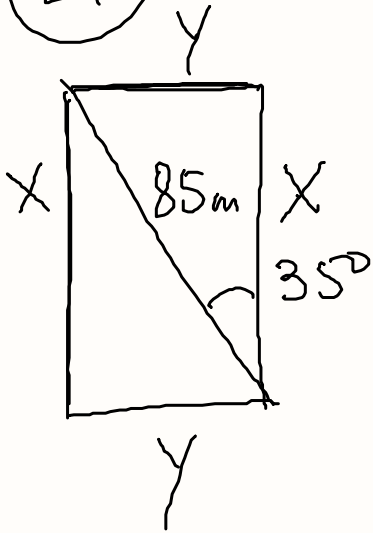


$$0.423 = \frac{g}{42}$$



$$\sin 25^\circ = \frac{g}{42}$$
$$g = 42 \cdot 0.423 = 17.7 \text{ in}$$

(21)



$$85 \cdot 0.57 = \frac{y \cdot 85}{85}$$

$$\cos 35^\circ = \frac{x}{85}$$

$$; 0.82 = \frac{x}{85}$$

$$x = 70$$

$$\sin 35^\circ = \frac{y}{85}$$

$$0.57 \cdot 85 = y$$

$$y = 49$$

$$P = 2x + 2y$$

$$P = 2 \cdot 70 + 2 \cdot 49 = 140 + 98 \approx 238 \text{ m}$$

$$\sin P = \frac{\text{OPPOSITE SIDE TO ANGLE P}}{\text{HYPOTENUSE}}$$

↑
THE LONGEST SIDE

$$\cos P = \frac{\text{ADJACENT SIDE TO ANGLE P}}{\text{HYPOTENUSE}}$$

$$\tan P = \frac{\text{OPPOSITE SIDE TO ANGLE P}}{\text{ADJACENT SIDE TO ANGLE P}}$$

7-12

$$TR = \sqrt{6^2 + 8^2} = \sqrt{36 + 64} = 10$$

$$\sin T = \frac{8}{10} = \frac{4}{5}$$

HOME 25, 27